



PURINO
Infrastruktur
Berkelanjutan

ITERA WEBINAR SERIES # B - 0 5 8

ARSITEKTUR DIGITAL DALAM PERANCANGAN ARSITEKTUR

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Rabu, 25 Agustus 2021
09.00 WIB - Selesai



Zoom Link :
bit.ly/IWS-B058



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Terbuka Untuk Umum

**Gratis Registrasi
&
E-Sertifikat**

Arsitektur Digital dalam Perancangan Arsitektur

Prof. Dr.-Ing.L.M.F. Purwanto

Fenomena Arsitektur Digital

Pemanfaatan
Komputer



Perubahan
Paradigma



Issue
Go Green



Metode
Baru



Evolution of Architecture

Easy

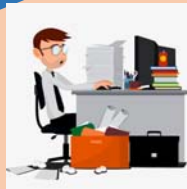
Difficult

Easier



Work pattern in Architecture

Manual



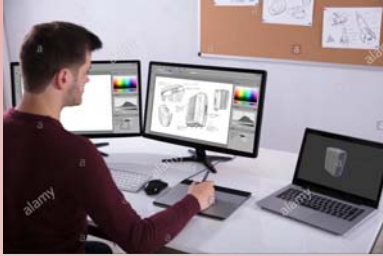
Linier



Digital



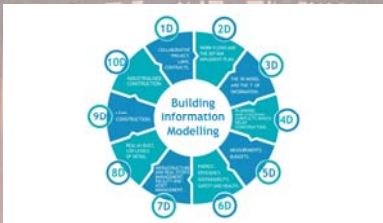
Evolution of Digital Architecture



Computer Aided Design



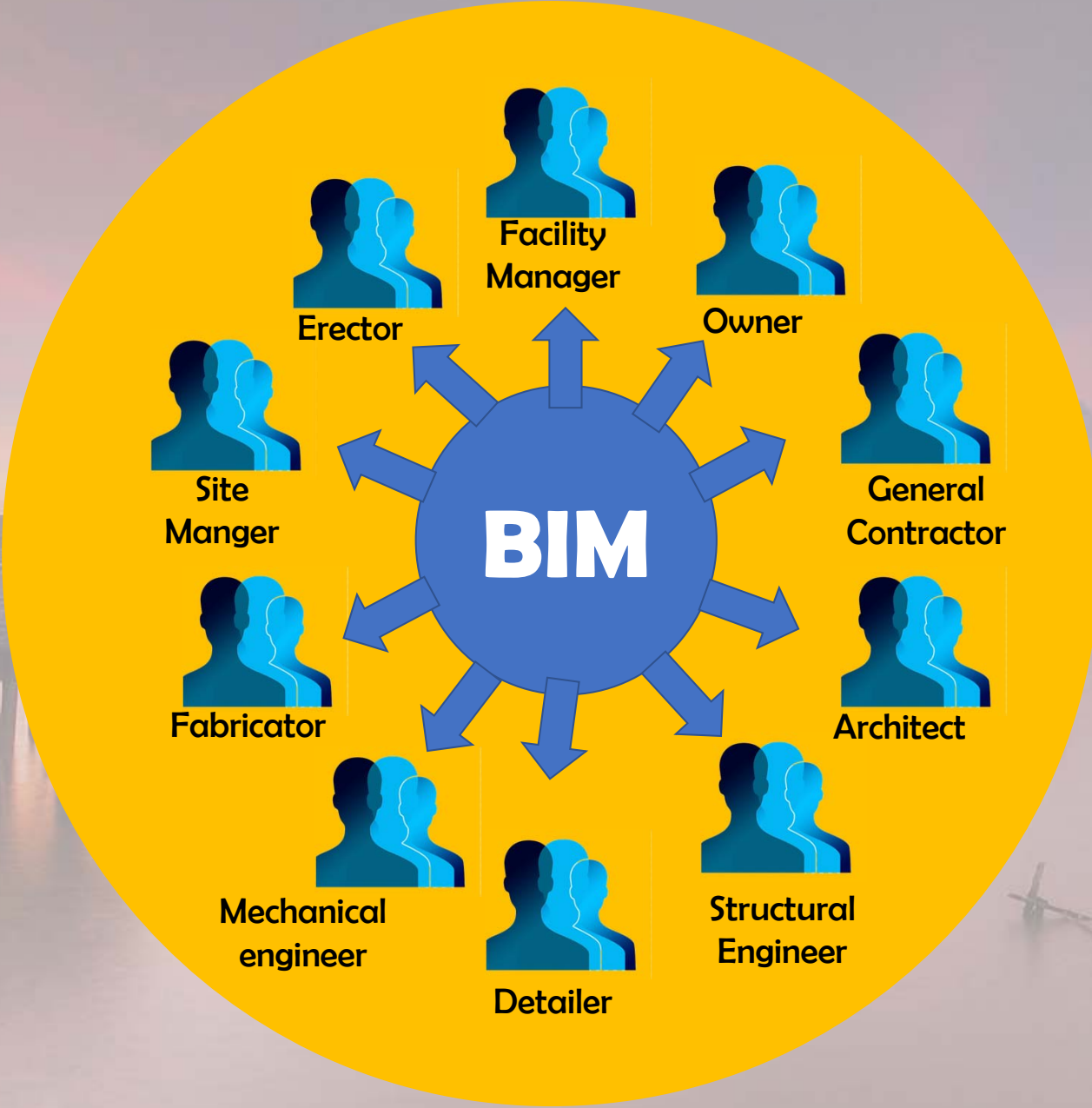
Connect to Internet

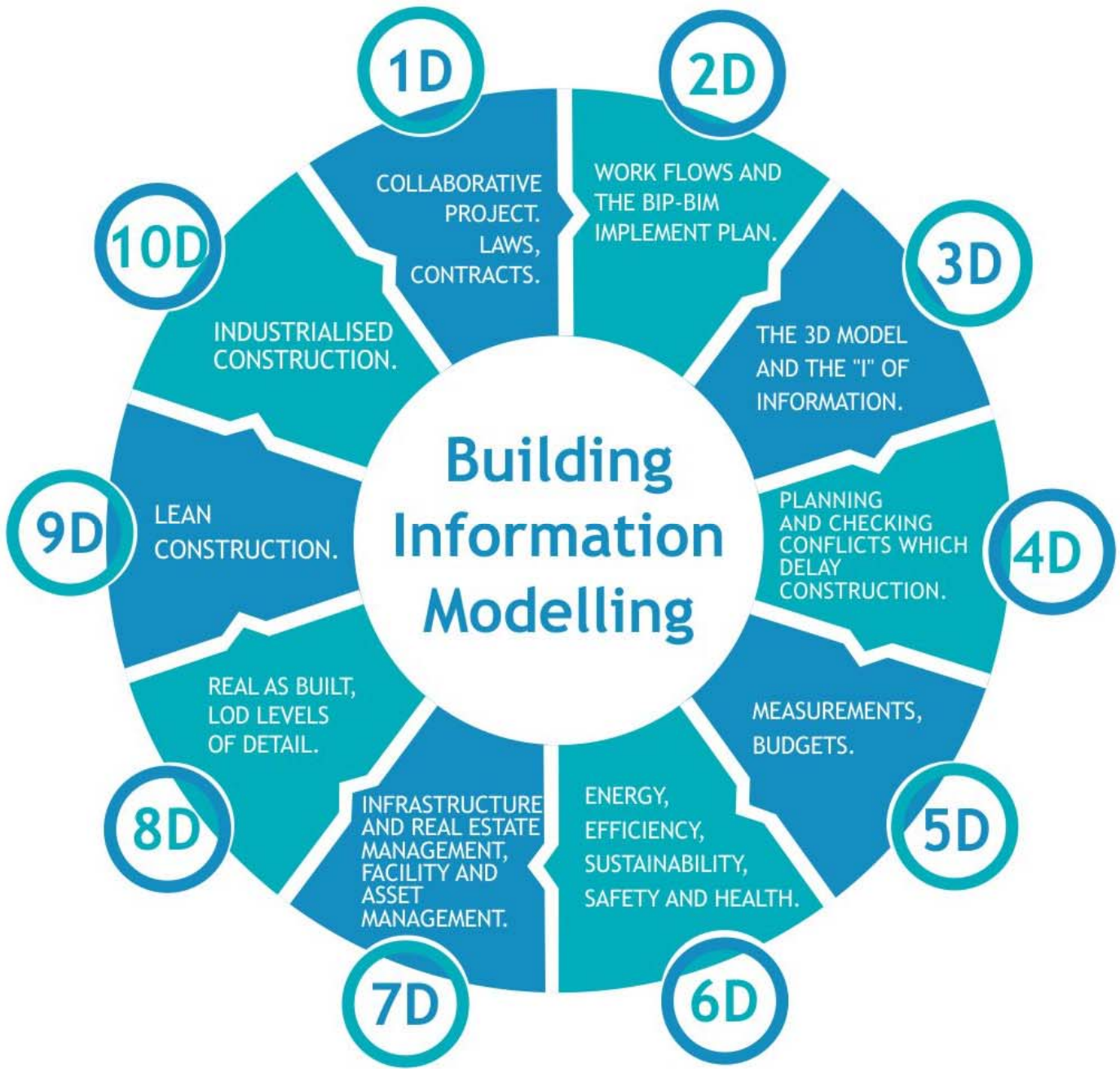


Building Information Modelling



VR, AR, AI





Design Process

1 Define the Problem

2 Braistorm

3 Research

4 Develop Ideas

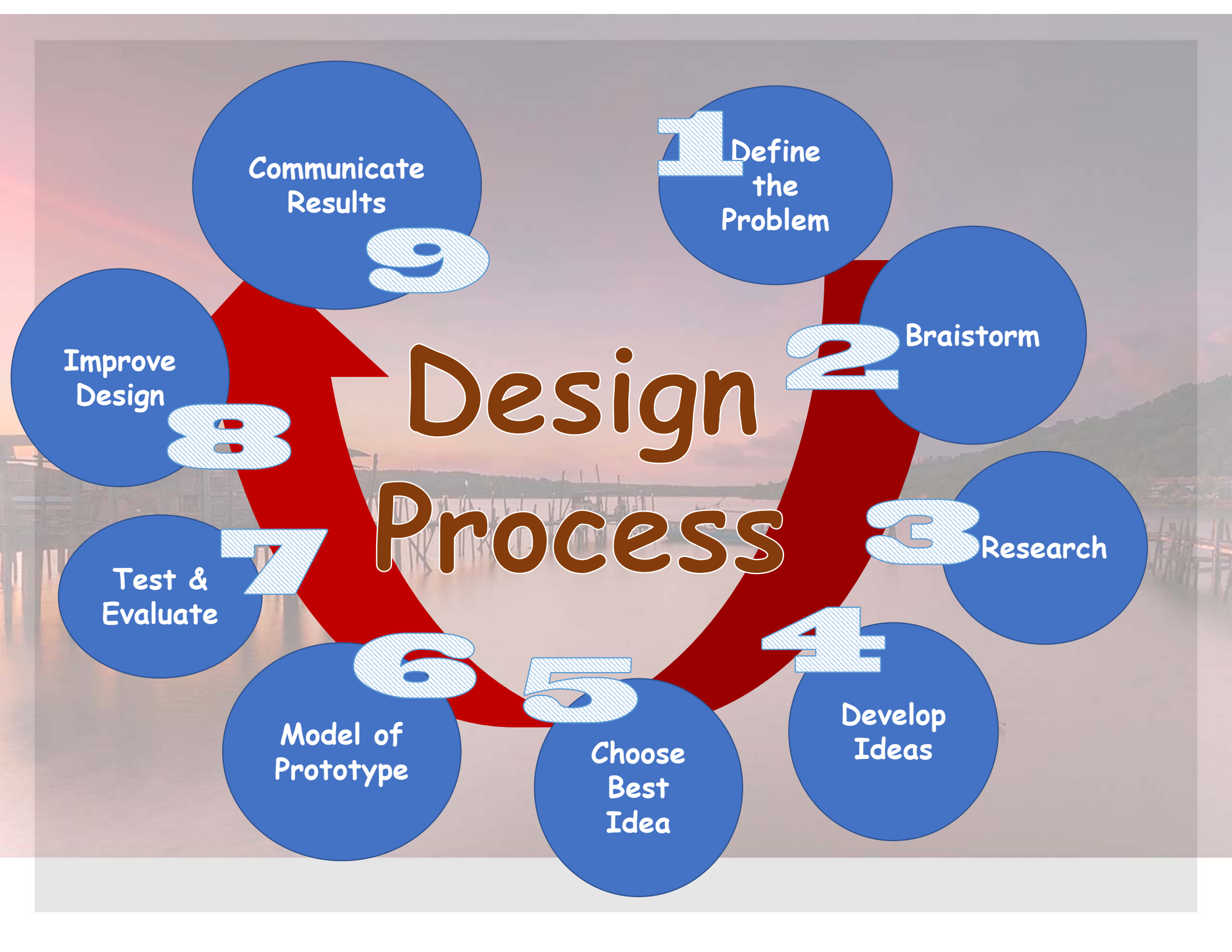
5 Choose Best Idea

6 Model of Prototype

7 Test & Evaluate

8 Improve Design

9 Communicate Results



Design Process

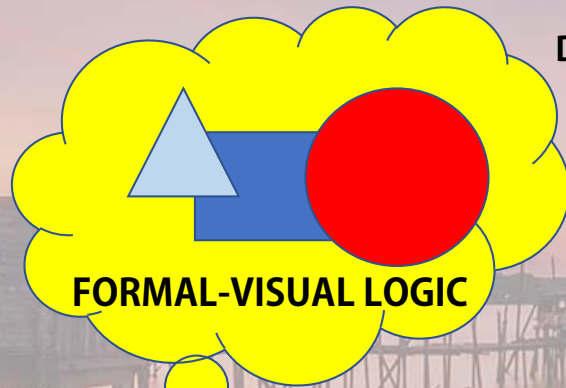
Digital Architecture

- Define the Problem
 - Braistorm
 - Research
- Develop Ideas
- Choose Best Idea
- Model of Prototype
 - Test & Evaluate
 - Improve Design
- Communicate Results

Digital Architecture



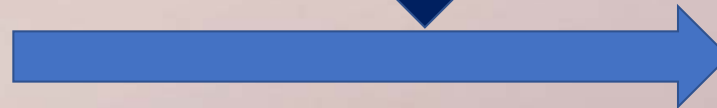
Representative digital design strategies



DIGITAL GRAPHIC REPRESENTATION



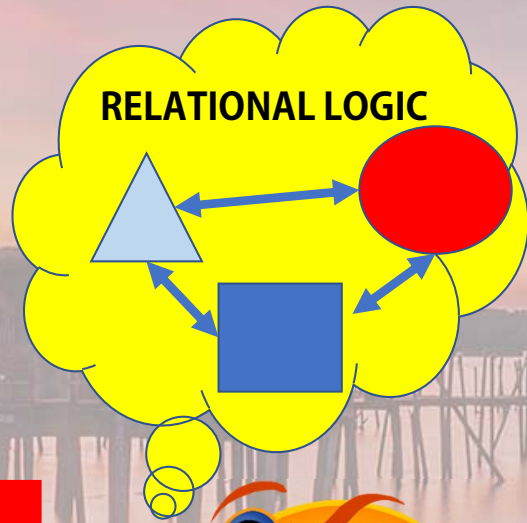
Designer
Ideas, Aesthetic Intentions



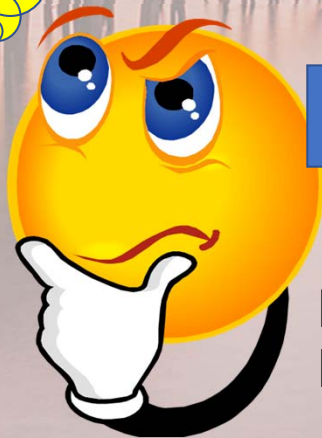
Final Result



Parametric digital design strategies



CONTEXT



Designer Ideas, Aesthetic Intentions

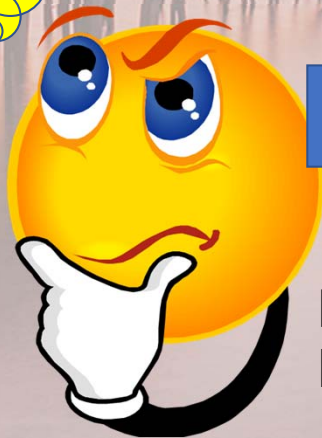
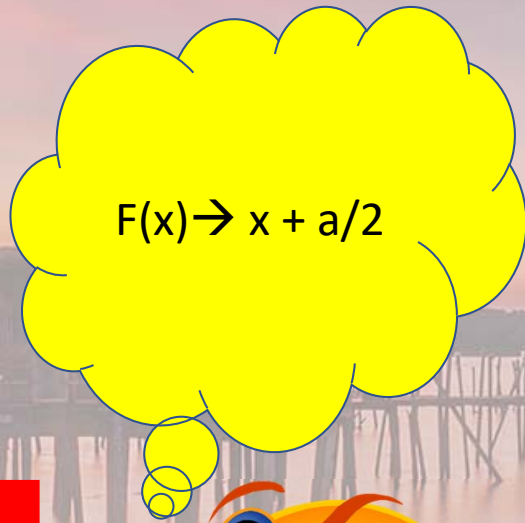


PERFORMANCE-ORIENTED DESIGN

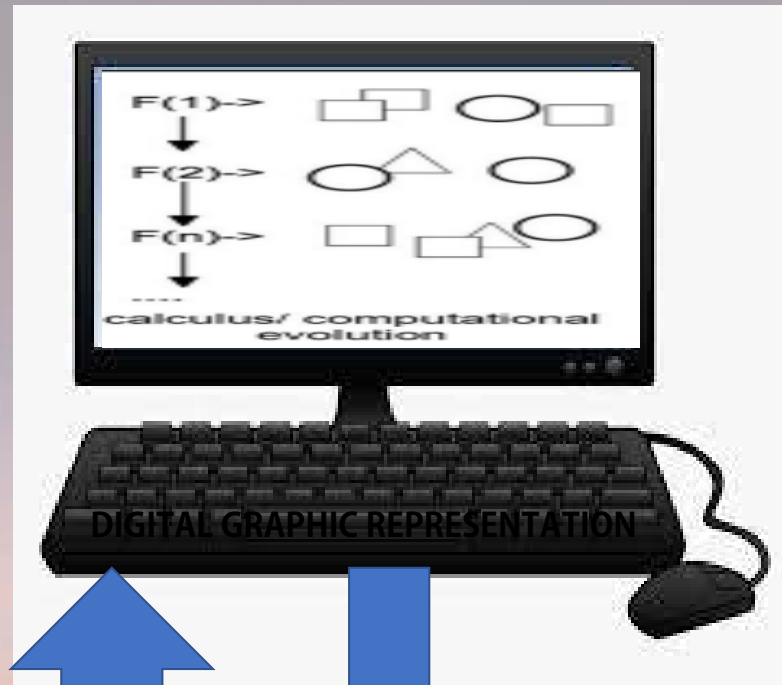
Final Result



Generative digital design strategies



Designer
Ideas, Aesthetic Intentions





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LMF Purwanto

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Yuk mengintip laju transfer panas di konstruksi...



Yuk aplikasikan Windrose ke analisis tapak



Yuk Analisis Tapak dengan WRPLOT



Berapa Gaji Arsitek Digital???